

Title (en)

MULTIPLE CHAIN WHEEL ASSEMBLY FOR A REAR WHEEL HUB

Title (de)

MEHRFACH-KETTENRADANORDNUNG FÜR EINE HINTERRADNABE

Title (fr)

SYSTEME DE ROUE D'ENTRAÎNEMENT MULTIPLE POUR UN MOYEU DE ROUE ARRIERE

Publication

**EP 3009339 B1 20200909 (DE)**

Application

**EP 15002885 A 20151009**

Priority

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- DE 102015219522 A 20151008

Abstract (en)

[origin: US2016101825A1] A multi-sprocket arrangement for a rear wheel hub of a bicycle may have improved gearshift characteristics, reduced vibrations during skewed running, and improved wear characteristics. The multi-sprocket arrangement includes a multiplicity of sprockets of different diameters, wherein at least one of the sprockets has a multiplicity of teeth. Also on the circumference of said sprocket, as viewed in a circumferential direction, at least one sequence of teeth is provided in which, with regard to their material thickness, a thin tooth is followed by a thick tooth which is followed in turn by another thin tooth. The sprocket has an impression and/or a passage recess which form at least one gearshift path and permit a shift between two adjacent sprockets.

IPC 8 full level

**B62M 9/10** (2006.01)

CPC (source: CN EP US)

**B62M 9/10** (2013.01 - EP US); **B62M 9/12** (2013.01 - EP US); **B62M 9/121** (2013.01 - CN EP)

Citation (examination)

DE 102014007274 A1 20141120 - SHIMANO KK [JP]

Cited by

DE202020000984U8; EP4011756A1; DE202020000984U1; EP3339158B1

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DOCDB simple family (publication)

**EP 3009339 A1 20160420**; **EP 3009339 B1 20200909**; CN 105644700 A 20160608; CN 105644700 B 20191122; CN 110901823 A 20200324; CN 110901823 B 20210615; CN 113212633 A 20210806; CN 113212633 B 20221115; DE 102015219522 A1 20160414; EP 3770054 A1 20210127; TW 201623084 A 20160701; TW 202028055 A 20200801; TW 202321106 A 20230601; TW I688514 B 20200321; TW I773985 B 20220811; TW I805497 B 20230611; US 10800488 B2 20201013; US 11866126 B2 20240109; US 2016101825 A1 20160414; US 2018170480 A1 20180621; US 2021053651 A1 20210225; US 9873481 B2 20180123

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